

Daily Cover for Landfill

Aggregation Method: Dominant Condition
Tie-break Rule: Higher

Ontario County, New York
Survey Area Version and Date: 23 - 09/05/2023

Map symbol	Map unit name	Rating	Component name and % composition Rating reasons
1A	Fluvaquents-Udifluvents complex, 0 to 3 percent slopes, frequently flooded	Very limited	Fluvaquents, frequently flooded 45% Depth to saturated zone Seepage Gravel content Too sandy Udifluvents, frequently flooded 40% Gravel content Seepage Depth to saturated zone Dusty Wayland 10% Depth to saturated zone Dusty Naples Creek 5% Depth to saturated zone Too clayey Dusty
2A	Geneseo silty clay loam, 0 to 3 percent slopes	Somewhat limited	Geneseo 90% Depth to saturated zone Dusty
3A	Hemlock silty clay loam, 0 to 3 percent slopes	Somewhat limited	Hemlock 90% Depth to saturated zone Dusty
4A	Naples Creek silty clay loam, 0 to 3 percent slopes	Very limited	Naples Creek 90% Depth to saturated zone Too clayey Dusty Wayland 5% Depth to saturated zone Dusty
5A	Wayland soils complex, 0 to 3 percent slopes, frequently flooded	Very limited	Wayland 60% Depth to saturated zone Dusty Wayland, very poorly drained 30% Ponding Depth to saturated zone Dusty Wakeville 10% Depth to saturated zone Dusty
12D	Rockrift channery silt loam, 15 to 25 percent slopes	Very limited	Rockrift 85% Slope Gravel content Large stones Dusty Mongaup, very stony 10% Slope Depth to bedrock Dusty Willdin 5% Slope Depth to saturated zone Gravel content Dusty
13F	Rock outcrop-Arnot complex, 25 to 70 percent slopes	Not rated	Rock outcrop 55%

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14D	Cadosia channery silt loam, 15 to 25 percent slopes	Very limited	Cadosia 85% Slope Gravel content Dusty Lordstown, very stony 10% Slope Depth to bedrock Dusty Mardin 5% Slope Depth to saturated zone Dusty
15A	Guyanoga channery silt loam, fan, 0 to 3 percent slopes	Very limited	Guyanoga, fan 90% Seepage Large stones Gravel content Dusty Chenango, fan 5% Seepage Gravel content Dusty
15B	Guyanoga channery silt loam, fan, 3 to 8 percent slopes	Very limited	Guyanoga, fan 90% Seepage Large stones Gravel content Dusty Chenango, fan 5% Seepage Gravel content Dusty
16A	Almond channery silt loam, 0 to 3 percent slopes	Very limited	Almond 80% Depth to saturated zone Dusty Norchip 8% Depth to saturated zone Dusty Ontusia 7% Depth to saturated zone Dusty Gretor 5% Depth to saturated zone Depth to bedrock Dusty
16B	Almond channery silt loam, 3 to 8 percent slopes	Very limited	Almond 80% Depth to saturated zone Dusty Gretor 5% Depth to saturated zone Depth to bedrock Slope Dusty Ontusia 5% Depth to saturated zone Dusty Norchip 5% Depth to saturated zone Dusty

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16C	Almond channery silt loam, 8 to 15 percent slopes	Very limited	Almond 80% Depth to saturated zone Slope Dusty Salamanca 5% Slope Depth to saturated zone Too clayey Dusty Norchip 5% Depth to saturated zone Dusty Ontusia 5% Depth to saturated zone Slope Dusty Greter 5% Slope Depth to saturated zone Depth to bedrock Dusty
18A	Homer fine sandy loam, 0 to 3 percent slopes	Very limited	Homer 90% Depth to saturated zone Seepage Too sandy Gravel content Dusty Phelps 5% Seepage Depth to saturated zone Too sandy Gravel content Dusty Fine-loamy, mixed, active, mesic Typic Argiaquolls 5% Depth to saturated zone Too clayey Dusty Gravel content

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19A	Fine-loamy, mixed, active, mesic, Typic Argiaquolls, 0 to 3 percent slopes	Very limited	Fine-loamy, mixed, active, mesic Typic Argiaquolls 80% Pondering Depth to saturated zone Too clayey Dusty Gravel content Homer 8% Depth to saturated zone Seepage Too sandy Gravel content Dusty Atherton 7% Depth to saturated zone Seepage Dusty Palms, undrained 5% Pondering Depth to saturated zone Organic matter content Seepage Dusty
20A	Atherton and Fine-loamy, mixed, active, mesic, Typic Argiaquolls, 0 to 3 percent slopes	Very limited	Atherton 41% Depth to saturated zone Seepage Dusty Fine-loamy, mixed, active, mesic Typic Argiaquolls 39% Pondering Depth to saturated zone Too clayey Gravel content Dusty Homer 8% Depth to saturated zone Seepage Too sandy Gravel content Dusty Canandaigua 7% Depth to saturated zone Dusty Too clayey Castile 5% Seepage Gravel content Depth to saturated zone Dusty

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24A	Howard gravelly loam, 0 to 3 percent slopes	Very limited	Howard 80% Seepage Too sandy Gravel content Dusty Palmyra 10% Seepage Too sandy Dusty Gravel content Arkport 5% Seepage Too sandy Phelps 5% Seepage Depth to saturated zone Too sandy Gravel content Dusty
24B	Howard gravelly loam, 3 to 8 percent slopes	Very limited	Howard 80% Seepage Too sandy Gravel content Dusty Palmyra 10% Seepage Too sandy Gravel content Dusty Arkport 5% Seepage Too sandy Phelps 5% Seepage Depth to saturated zone Too sandy Gravel content Dusty
24C	Howard gravelly loam, 8 to 15 percent slopes	Very limited	Howard 80% Seepage Too sandy Gravel content Slope Dusty Palmyra 10% Seepage Too sandy Gravel content Slope Dusty Arkport 5% Seepage Too sandy Slope Phelps 5% Seepage Depth to saturated zone Too sandy Gravel content Dusty

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24D	Howard soils, 15 to 25 percent slopes	Very limited	Howard 65% Slope Seepage Too sandy Gravel content Dusty Palmyra 20% Slope Seepage Too sandy Gravel content Dusty Arkport 13% Slope Seepage Too sandy Phelps 2% Seepage Depth to saturated zone Too sandy Gravel content Dusty
25A	Chenango gravelly loam, 0 to 3 percent slopes	Very limited	Chenango 90% Seepage Gravel content Dusty Castile 8% Seepage Gravel content Depth to saturated zone Dusty Valois 2% Seepage Gravel content Dusty
25B	Chenango gravelly loam, 3 to 8 percent slopes	Very limited	Chenango 90% Seepage Gravel content Dusty Castile 5% Seepage Gravel content Depth to saturated zone Dusty Valois 5% Seepage Gravel content Dusty

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25C	Chenango gravelly loam, 8 to 15 percent slopes	Very limited	Chenango 90% Seepage Gravel content Slope Dusty Castile 5% Seepage Gravel content Depth to saturated zone Slope Dusty Valois 5% Seepage Gravel content Slope Dusty
25D	Chenango gravelly loam, 15 to 25 percent slopes	Very limited	Chenango 90% Slope Seepage Gravel content Dusty Castile 8% Seepage Gravel content Depth to saturated zone Slope Dusty Valois 2% Slope Seepage Gravel content Dusty
25E	Chenango gravelly loam, 25 to 35 percent slopes	Very limited	Chenango 90% Slope Seepage Gravel content Dusty Valois 10% Slope Seepage Gravel content Dusty
26B	Chenango channery loam, fan, 3 to 8 percent slopes	Very limited	Chenango, fan 85% Seepage Gravel content Dusty Guyanoga, fan 5% Seepage Large stones Gravel content Dusty Castile 5% Seepage Gravel content Depth to saturated zone Dusty

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27B	Castile gravelly silt loam, 3 to 8 percent slopes	Very limited	Castile 85% Seepage Gravel content Depth to saturated zone Dusty Phelps 5% Seepage Depth to saturated zone Too sandy Gravel content Dusty Chenango 5% Seepage Gravel content Dusty Homer 5% Depth to saturated zone Seepage Too sandy Gravel content Dusty
31A	Collamer silt loam, 0 to 3 percent slopes	Somewhat limited	Collamer 85% Depth to saturated zone Dusty
31B	Collamer silt loam, 3 to 8 percent slopes	Somewhat limited	Collamer 85% Depth to saturated zone Dusty
31C	Collamer silt loam, 8 to 15 percent slopes	Somewhat limited	Collamer 85% Depth to saturated zone Slope Dusty
31D	Collamer silt loam, 15 to 25 percent slopes	Very limited	Collamer 90% Slope Depth to saturated zone Dusty Schoharie 5% Slope Hard to compact Too clayey Depth to saturated zone Dusty Niagara 5% Depth to saturated zone Slope Dusty Too clayey
32A	Dunkirk fine sandy loam, 0 to 3 percent slopes	Somewhat limited	Dunkirk 90% Dusty
32B	Dunkirk fine sandy loam, 3 to 8 percent slopes	Somewhat limited	Dunkirk 90% Dusty
33A	Dunkirk silt loam, 0 to 3 percent slopes	Somewhat limited	Dunkirk 90% Dusty
33B	Dunkirk silt loam, 3 to 8 percent slopes	Somewhat limited	Dunkirk 90% Dusty
33C	Dunkirk silt loam, 8 to 15 percent slopes	Somewhat limited	Dunkirk 90% Slope Dusty

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33D	Dunkirk silt loam, 15 to 25 percent slopes	Very limited	Dunkirk 90% Slope Dusty Schoharie 5% Slope Hard to compact Too clayey Depth to saturated zone Dusty Arkport 5% Slope Seepage Too sandy
33E	Dunkirk silt loam, 25 to 35 percent slopes	Very limited	Dunkirk 90% Slope Dusty Schoharie 5% Slope Hard to compact Too clayey Depth to saturated zone Dusty Arkport 5% Slope Seepage Too sandy
34A	Lakemont silty clay loam, 0 to 3 percent slopes	Very limited	Lakemont 85% Depth to saturated zone Hard to compact Too clayey Dusty Odessa 5% Depth to saturated zone Hard to compact Too clayey Dusty Fonda 4% Ponding Depth to saturated zone Hard to compact Too clayey Dusty Canandaigua 4% Depth to saturated zone Dusty Too clayey Barre 2% Depth to saturated zone Too clayey Dusty

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35A	Odessa silt loam, 0 to 3 percent slopes	Very limited	Odessa 85% Depth to saturated zone Hard to compact Too clayey Dusty Lakemont 5% Depth to saturated zone Too clayey Dusty Schoharie 5% Hard to compact Too clayey Depth to saturated zone Dusty Churchville 3% Depth to saturated zone Dusty Rhinebeck 2% Depth to saturated zone Too clayey Dusty
35B	Odessa silty clay loam, 3 to 8 percent slopes	Very limited	Odessa 85% Depth to saturated zone Hard to compact Too clayey Dusty Schoharie 6% Hard to compact Too clayey Depth to saturated zone Dusty Lakemont 4% Depth to saturated zone Hard to compact Too clayey Dusty Churchville 3% Depth to saturated zone Dusty Rhinebeck 2% Depth to saturated zone Too clayey Dusty
36A	Schoharie silty clay loam, 0 to 3 percent slopes	Very limited	Schoharie 85% Hard to compact Too clayey Depth to saturated zone Dusty Odessa 5% Depth to saturated zone Hard to compact Too clayey Dusty

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36B	Schoharie silty clay loam, 3 to 8 percent slopes	Very limited	Schoharie 85% Hard to compact Too clayey Depth to saturated zone Dusty Odessa 5% Depth to saturated zone Hard to compact Too clayey Dusty
36C	Schoharie silty clay loam, 8 to 15 percent slopes	Very limited	Schoharie 85% Hard to compact Too clayey Depth to saturated zone Slope Dusty Odessa 5% Depth to saturated zone Hard to compact Too clayey Slope Dusty
36D	Schoharie silty clay loam, 15 to 25 percent slopes	Very limited	Schoharie 85% Slope Hard to compact Too clayey Depth to saturated zone Dusty Cazenovia 5% Slope Depth to saturated zone Dusty Odessa 5% Slope Depth to saturated zone Hard to compact Too clayey Dusty Cayuga 3% Slope Depth to saturated zone Too clayey Dusty Collamer 2% Slope Depth to saturated zone Dusty

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36E	Schoharie silty clay loam, 25 to 45 percent slopes	Very limited	Schoharie 85% Slope Hard to compact Too clayey Depth to saturated zone Dusty Odessa 5% Slope Depth to saturated zone Hard to compact Too clayey Dusty Cazenovia 5% Slope Depth to saturated zone Dusty Cayuga 3% Slope Depth to saturated zone Too clayey Dusty Collamer 2% Slope Depth to saturated zone Dusty
37A	Schoharie silt loam, 0 to 3 percent slopes	Very limited	Schoharie 85% Hard to compact Too clayey Depth to saturated zone Dusty Odessa 5% Depth to saturated zone Hard to compact Too clayey Dusty
37B	Schoharie silt loam, 3 to 8 percent slopes	Very limited	Schoharie 85% Hard to compact Too clayey Depth to saturated zone Dusty Odessa 5% Depth to saturated zone Hard to compact Too clayey Dusty
38A	Niagara silt loam, 0 to 3 percent slopes	Very limited	Niagara 85% Depth to saturated zone Dusty Too clayey Canandaigua 5% Depth to saturated zone Dusty Too clayey Rhinebeck 5% Depth to saturated zone Too clayey Dusty

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38B	Niagara silt loam, 3 to 8 percent slopes	Very limited	Niagara 85% Depth to saturated zone Dusty Too clayey Canandaigua 5% Depth to saturated zone Dusty Too clayey Rhinebeck 5% Depth to saturated zone Too clayey Dusty
39A	Rhinebeck silty clay loam, 0 to 3 percent slopes	Very limited	Rhinebeck 90% Depth to saturated zone Too clayey Dusty Lakemont 5% Depth to saturated zone Too clayey Dusty Niagara 5% Depth to saturated zone Dusty Too clayey
41A	Aeric Epiaquepts, 0 to 3 percent slopes	Very limited	Aeric Epiaquepts 50% Depth to saturated zone Dusty Aeric Epiaquepts 45% Depth to saturated zone Dusty Elnora 5% Seepage Too sandy Depth to saturated zone
43A	Canandaigua silt loam, 0 to 3 percent slopes	Very limited	Canandaigua 90% Depth to saturated zone Dusty Too clayey Canandaigua 4% Ponding Depth to saturated zone Dusty Too clayey Lakemont 3% Depth to saturated zone Too clayey Dusty Niagara 3% Depth to saturated zone Dusty Too clayey

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44A	Canandaigua mucky silt loam, 0 to 3 percent slopes	Very limited	Canandaigua 90% Ponding Depth to saturated zone Dusty Too clayey Canandaigua 5% Depth to saturated zone Dusty Too clayey Lakemont 3% Depth to saturated zone Too clayey Dusty Palms, undrained 2% Ponding Depth to saturated zone Organic matter content Seepage Dusty
45A	Fonda mucky silt loam, 0 to 3 percent slopes	Very limited	Fonda 95% Ponding Depth to saturated zone Hard to compact Too clayey Dusty Canandaigua 3% Ponding Depth to saturated zone Dusty Too clayey Palms, undrained 2% Ponding Depth to saturated zone Organic matter content Seepage Dusty
46A	Galen fine sandy loam, 0 to 3 percent slopes	Somewhat limited	Galen 90% Seepage Depth to saturated zone Dusty
46B	Galen fine sandy loam, 3 to 8 percent slopes	Somewhat limited	Galen 90% Seepage Depth to saturated zone Dusty
48A	Arkport fine sandy loam, 0 to 3 percent slopes	Very limited	Arkport 95% Seepage Too sandy
48B	Arkport fine sandy loam, 3 to 8 percent slopes	Very limited	Arkport 95% Seepage Too sandy
48C	Arkport fine sandy loam, 8 to 15 percent slopes	Very limited	Arkport 95% Seepage Slope Too sandy

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48D	Arkport fine sandy loam, 15 to 25 percent slopes	Very limited	Arkport 90% Slope Seepage Too sandy Dunkirk 8% Slope Dusty Palmyra 2% Slope Seepage Too sandy Dusty Gravel content
49B	Arkport loamy fine sand, 3 to 8 percent slopes	Very limited	Arkport 95% Seepage Too sandy
49D	Arkport loamy fine sand, 15 to 25 percent slopes	Very limited	Arkport 95% Slope Seepage Dunkirk 3% Slope Dusty Palmyra 2% Slope Seepage Too sandy Dusty Gravel content
49E	Arkport loamy fine sand, 25 to 35 percent slopes	Very limited	Arkport 90% Slope Seepage Dunkirk 8% Slope Dusty Palmyra 2% Slope Seepage Too sandy Dusty Gravel content
49F	Arkport loamy fine sand, 35 to 55 percent slopes	Very limited	Arkport 90% Slope Seepage Dunkirk 8% Slope Dusty Palmyra 2% Slope Seepage Too sandy Dusty Gravel content
50B	Dunkirk-Arkport complex, 3 to 8 percent slopes	Somewhat limited	Dunkirk 50% Dusty Collamer 5% Depth to saturated zone Dusty

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50C	Dunkirk-Arkport complex, 8 to 15 percent slopes	Somewhat limited	Dunkirk 60% Slope Dusty Collamer 5% Depth to saturated zone Slope Dusty
50D	Dunkirk-Arkport complex, 15 to 25 percent slopes	Very limited	Dunkirk 60% Slope Dusty Arkport 35% Slope Seepage Too sandy Collamer 5% Slope Depth to saturated zone Dusty
53A	Lamson fine sandy loam, 0 to 3 percent slopes	Very limited	Lamson 90% Depth to saturated zone Seepage Lamson 5% Ponding Depth to saturated zone Too sandy Seepage Canandaigua 3% Depth to saturated zone Dusty Too clayey
54A	Lamson mucky fine sandy loam, 0 to 3 percent slopes	Very limited	Lamson 90% Ponding Depth to saturated zone Too sandy Seepage Canandaigua 5% Depth to saturated zone Dusty Too clayey Lamson 5% Depth to saturated zone Seepage
56A	Elnora loamy fine sand, 0 to 3 percent slopes	Very limited	Elnora 90% Seepage Too sandy Depth to saturated zone Aeric Epiaquepts 10% Depth to saturated zone Dusty
58B	Colonie loamy fine sand, 3 to 8 percent slopes	Very limited	Colonie 95% Seepage Too sandy Elnora 5% Seepage Too sandy Depth to saturated zone

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58C	Colonie loamy fine sand, 8 to 15 percent slopes	Very limited	Colonie 95% Seepage Too sandy Slope Elnora 5% Seepage Too sandy Depth to saturated zone
62B	Mardin channery silt loam, 3 to 8 percent slopes	Very limited	Mardin 85% Depth to saturated zone Dusty Lordstown 5% Depth to bedrock Gravel content Dusty Volusia 5% Depth to saturated zone Dusty
62C	Mardin channery silt loam, 8 to 15 percent slopes	Very limited	Mardin 88% Depth to saturated zone Slope Dusty Bath 5% Slope Depth to saturated zone Dusty Volusia 5% Depth to saturated zone Dusty Lordstown 2% Slope Depth to bedrock Gravel content Dusty
62D	Mardin channery silt loam, 15 to 25 percent slopes	Very limited	Mardin 85% Slope Depth to saturated zone Dusty Lordstown 5% Slope Depth to bedrock Dusty Volusia 5% Depth to saturated zone Slope Dusty Bath 5% Slope Depth to saturated zone Dusty

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62E	Mardin channery silt loam, 25 to 35 percent slopes	Very limited	Mardin 80% Slope Depth to saturated zone Dusty Bath 8% Slope Depth to saturated zone Dusty Lordstown, very stony 7% Slope Depth to bedrock Large stones Dusty Volusia 5% Slope Depth to saturated zone Dusty
63B	Langford channery silt loam, 3 to 8 percent slopes	Somewhat limited	Langford 85% Depth to saturated zone Dusty Schuyler 5% Depth to saturated zone Too clayey Dusty
63C	Langford channery silt loam, 8 to 15 percent slopes	Somewhat limited	Langford 85% Depth to saturated zone Slope Dusty Chadakoin 5% Slope Gravel content Dusty Schuyler 5% Depth to saturated zone Slope Too clayey Dusty
63D	Langford channery silt loam, 15 to 25 percent slopes	Very limited	Langford 80% Slope Depth to saturated zone Dusty Erie 5% Depth to saturated zone Slope Dusty Schuyler 5% Slope Depth to saturated zone Too clayey Dusty Towerville 5% Slope Depth to bedrock Depth to saturated zone Dusty Chadakoin 5% Slope Gravel content Dusty

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64B	Langford-Erie channery silt loams, 3 to 8 percent slopes	Very limited	Erie 40% Depth to saturated zone Dusty Chippewa 5% Depth to saturated zone Dusty Fremont 5% Depth to saturated zone Dusty
66A	Lyons soils, 0 to 3 percent slopes	Very limited	Lyons 75% Depth to saturated zone Gravel content Dusty Lyons, frequently ponded 15% Ponding Depth to saturated zone Gravel content Dusty Appleton 3% Depth to saturated zone Dusty Gravel content Canandaigua 3% Depth to saturated zone Dusty Too clayey Kendaia 2% Depth to saturated zone Gravel content Dusty Palms, undrained 1% Ponding Depth to saturated zone Dusty Ilion 1% Depth to saturated zone Too clayey Dusty
68A	Volusia channery silt loam, 0 to 3 percent slopes	Very limited	Volusia 90% Depth to saturated zone Dusty Chippewa 5% Depth to saturated zone Dusty Mardin 5% Depth to saturated zone Dusty
68B	Volusia channery silt loam, 3 to 8 percent slopes	Very limited	Volusia 90% Depth to saturated zone Dusty Chippewa 5% Depth to saturated zone Dusty Mardin 5% Depth to saturated zone Slope Dusty

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68C	Volusia channery silt loam, 8 to 15 percent slopes	Very limited	Volusia 90% Depth to saturated zone Slope Dusty Mardin 6% Slope Depth to saturated zone Dusty Chippewa 4% Depth to saturated zone Dusty
68D	Volusia channery silt loam, 15 to 25 percent slopes	Very limited	Volusia 90% Slope Depth to saturated zone Dusty Mardin 7% Slope Depth to saturated zone Dusty Chippewa 3% Depth to saturated zone Dusty
69A	Erie channery silt loam, 0 to 3 percent slopes	Very limited	Erie 80% Depth to saturated zone Dusty Chippewa 10% Depth to saturated zone Dusty Fremont 5% Depth to saturated zone Dusty
69B	Erie channery silt loam, 3 to 8 percent slopes	Very limited	Erie 80% Depth to saturated zone Dusty Chippewa 5% Depth to saturated zone Dusty Fremont 5% Depth to saturated zone Dusty
69C	Erie channery silt loam, 8 to 15 percent slopes	Very limited	Erie 80% Depth to saturated zone Slope Dusty Langford 10% Slope Depth to saturated zone Dusty Fremont 5% Depth to saturated zone Slope Dusty Chippewa 5% Depth to saturated zone Dusty

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71A	Darien silt loam, 0 to 3 percent slopes	Very limited	Darien 95% Depth to saturated zone Too clayey Dusty Ilion 4% Depth to saturated zone Dusty Too clayey Angola 1% Depth to saturated zone Depth to bedrock Too clayey Dusty
71B	Darien silt loam, 3 to 8 percent slopes	Very limited	Darien 95% Depth to saturated zone Too clayey Dusty Ilion 4% Depth to saturated zone Dusty Too clayey Angola 1% Depth to saturated zone Depth to bedrock Too clayey Dusty
71C	Darien silt loam, 8 to 15 percent slopes	Very limited	Darien 95% Depth to saturated zone Slope Too clayey Dusty Ilion 4% Depth to saturated zone Dusty Too clayey Angola 1% Depth to saturated zone Depth to bedrock Slope Too clayey Dusty
72A	Darien-Ilion silt loams, 0 to 3 percent slopes	Very limited	Darien 68% Depth to saturated zone Too clayey Dusty Ilion 27% Depth to saturated zone Dusty Too clayey Angola 5% Depth to saturated zone Depth to bedrock Too clayey Dusty

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72B	Darien-Ilion silt loams, 3 to 8 percent slopes	Very limited	Darien 68% Depth to saturated zone Too clayey Dusty Ilion 27% Depth to saturated zone Dusty Too clayey Angola 5% Depth to saturated zone Depth to bedrock Too clayey Dusty
73B	Gretor silt loam, 3 to 8 percent slopes	Very limited	Gretor 95% Depth to saturated zone Depth to bedrock Dusty Gretor, poorly drained 5% Depth to saturated zone Depth to bedrock Dusty
73C	Gretor silt loam, 8 to 15 percent slopes	Very limited	Gretor 95% Depth to saturated zone Depth to bedrock Slope Dusty Gretor, poorly drained 5% Depth to saturated zone Depth to bedrock Dusty
73D	Gretor channery silt loam, 15 to 25 percent slopes	Very limited	Gretor 90% Slope Depth to saturated zone Depth to bedrock Dusty Mongaup, very stony 8% Slope Depth to bedrock Dusty Gretor, poorly drained 2% Depth to saturated zone Depth to bedrock Dusty
76B	Orpark silt loam, 3 to 8 percent slopes	Very limited	Orpark 95% Depth to saturated zone Depth to bedrock Dusty Too clayey Orpark, poorly drained 5% Depth to saturated zone Depth to bedrock Dusty Too clayey

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76C	Orpark silt loam, 8 to 15 percent slopes	Very limited	Orpark 95% Depth to saturated zone Depth to bedrock Slope Dusty Too clayey Orpark, poorly drained 5% Depth to saturated zone Depth to bedrock Dusty Too clayey
76D	Orpark channery silt loam, 15 to 25 percent slopes	Very limited	Orpark 90% Slope Depth to saturated zone Depth to bedrock Dusty Too clayey Orpark, poorly drained 5% Depth to saturated zone Depth to bedrock Dusty Too clayey Lordstown, very stony 5% Slope Depth to bedrock Dusty
77A	Chippewa silt loam, 0 to 3 percent slopes	Very limited	Chippewa 85% Depth to saturated zone Dusty Chippewa, very poorly drained 10% Ponding Depth to saturated zone Dusty Volusia 5% Depth to saturated zone Dusty
77B	Chippewa silt loam, 3 to 8 percent slopes	Very limited	Chippewa 85% Depth to saturated zone Dusty Volusia 10% Depth to saturated zone Slope Dusty Chippewa, very poorly drained 5% Ponding Depth to saturated zone Dusty
82B	Manlius channery silt loam, 3 to 8 percent slopes	Very limited	Manlius 95% Depth to bedrock Seepage Gravel content Large stones Dusty Gretor 5% Depth to saturated zone Depth to bedrock Dusty

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Tie-break Rule: Higher

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Map symbol	Map unit name	Rating	Component name and % composition Rating reasons
82C	Manlius channery silt loam, 8 to 15 percent slopes	Very limited	Manlius 95% Depth to bedrock Seepage Gravel content Slope Large stones Gretor 5% Depth to saturated zone Depth to bedrock Slope Dusty
82D	Manlius channery silt loam, 15 to 25 percent slopes	Very limited	Manlius 95% Slope Depth to bedrock Seepage Gravel content Large stones Arnot, very stony 4% Slope Depth to bedrock Large stones Dusty Gretor 1% Slope Depth to saturated zone Depth to bedrock Dusty
91A	Palms muck, 0 to 3 percent slopes	Very limited	Palms, undrained 55% Ponding Depth to saturated zone Organic matter content Seepage Dusty Palms, drained 40% Depth to saturated zone Organic matter content Seepage Dusty Canandaigua 5% Ponding Depth to saturated zone Dusty Too clayey

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Tie-break Rule: Higher

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Map symbol	Map unit name	Rating	Component name and % composition Rating reasons
92A	Carlisle muck, 0 to 3 percent slopes	Very limited	Carlisle, undrained 45% Ponding Depth to saturated zone Organic matter content Seepage Dusty Carlisle, drained 40% Depth to saturated zone Organic matter content Seepage Dusty Palms, undrained 10% Ponding Depth to saturated zone Organic matter content Seepage Dusty Canandaigua 5% Ponding Depth to saturated zone Dusty Too clayey
93A	Edwards muck, 0 to 3 percent slopes	Very limited	Edwards, undrained 50% Ponding Depth to saturated zone Carbonate content Dusty Edwards, drained 35% Depth to saturated zone Carbonate content Dusty Martisco, undrained 10% Ponding Depth to saturated zone Carbonate content Dusty Canandaigua 5% Ponding Depth to saturated zone Dusty Too clayey
94A	Martisco muck, 0 to 3 percent slopes	Very limited	Martisco, undrained 55% Ponding Depth to saturated zone Carbonate content Dusty Martisco, drained 35% Depth to saturated zone Carbonate content Dusty Canandaigua 5% Ponding Depth to saturated zone Dusty Too clayey Palms, drained 5% Depth to saturated zone Organic matter content Seepage Dusty

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Tie-break Rule: Higher

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Map symbol	Map unit name	Rating	Component name and % composition Rating reasons
95A	Saprists, 0 to 3 percent slopes, inundated	Very limited	Saprists, inundated 85% Ponding Depth to saturated zone Organic matter content Seepage Dusty Palms, undrained 5% Ponding Depth to saturated zone Organic matter content Seepage Dusty Fluvaquents, frequently flooded 5% Depth to saturated zone Seepage Gravel content Too sandy Carlisle, undrained 5% Ponding Depth to saturated zone Organic matter content Seepage Dusty
101A	Honeoye loam, 0 to 3 percent slopes	Somewhat limited	Honeoye 85% Gravel content Dusty Lima 5% Depth to saturated zone Gravel content Dusty Lansing 4% Gravel content Dusty
101B	Honeoye loam, 3 to 8 percent slopes	Somewhat limited	Honeoye 85% Gravel content Dusty Lima 5% Depth to saturated zone Gravel content Dusty Lansing 4% Gravel content Dusty
101C	Honeoye loam, 8 to 15 percent slopes	Somewhat limited	Honeoye 85% Slope Gravel content Dusty Lima 5% Depth to saturated zone Slope Gravel content Dusty Lansing 4% Slope Gravel content Dusty

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Map symbol	Map unit name	Rating	Component name and % composition Rating reasons
101D	Honeoye loam, 15 to 25 percent slopes	Very limited	Honeoye 85% Slope Gravel content Dusty Lima 5% Slope Depth to saturated zone Gravel content Dusty Lansing 4% Slope Gravel content Dusty Kendaia 4% Depth to saturated zone Slope Gravel content Dusty Wassaic 2% Slope Depth to bedrock Dusty Gravel content
101E	Honeoye loam, 25 to 35 percent slopes	Very limited	Honeoye 85% Slope Gravel content Dusty Lima 5% Slope Depth to saturated zone Gravel content Dusty Kendaia 4% Depth to saturated zone Slope Gravel content Dusty Lansing 4% Slope Gravel content Dusty Wassaic 2% Slope Depth to bedrock Dusty Gravel content
104A	Honeoye loam, 0 to 3 percent slopes, lower clay surface	Somewhat limited	Honeoye, lower clay surface 85% Gravel content Dusty Lima 5% Depth to saturated zone Gravel content Dusty Lansing 4% Gravel content Dusty

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Map symbol	Map unit name	Rating	Component name and % composition Rating reasons
104B	Honeoye loam, 3 to 8 percent slopes, lower clay surface	Somewhat limited	Honeoye, lower clay surface 85% Gravel content Dusty Lima 5% Depth to saturated zone Gravel content Dusty Lansing 4% Gravel content Dusty
104C	Honeoye loam, 8 to 15 percent slopes, lower clay surface	Somewhat limited	Honeoye, lower clay surface 85% Slope Gravel content Dusty Lima 5% Depth to saturated zone Slope Gravel content Dusty Lansing 4% Slope Gravel content Dusty
106B	Danley-Lansing complex, 3 to 8 percent slopes	Somewhat limited	Danley 50% Depth to saturated zone Dusty Too clayey Lansing 45% Gravel content Dusty Conesus 2% Depth to saturated zone Gravel content Dusty
107B	Conesus-Lansing complex, 3 to 8 percent slopes	Somewhat limited	Conesus 50% Depth to saturated zone Gravel content Dusty Lansing 45% Gravel content Dusty Danley 1% Depth to saturated zone Too clayey Dusty
108C	Lansing loam, 8 to 15 percent slopes	Somewhat limited	Lansing 85% Slope Gravel content Dusty Conesus 8% Depth to saturated zone Slope Gravel content Dusty Danley 1% Depth to saturated zone Slope Too clayey Dusty

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Tie-break Rule: Higher

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Map symbol	Map unit name	Rating	Component name and % composition Rating reasons
108D	Lansing loam, 15 to 25 percent slopes	Very limited	Lansing 85% Slope Gravel content Dusty Conesus 9% Slope Depth to saturated zone Gravel content Dusty Wassaic 3% Slope Depth to bedrock Dusty Gravel content Kendaia 2% Depth to saturated zone Gravel content Slope Dusty Appleton 1% Depth to saturated zone Slope Dusty Gravel content
108E	Lansing loam, 25 to 35 percent slopes	Very limited	Lansing 85% Slope Gravel content Dusty Cazenovia 10% Slope Depth to saturated zone Dusty Aurora 5% Slope Depth to bedrock Depth to saturated zone Dusty
112B	Ontario fine sandy loam, 3 to 8 percent slopes	Somewhat limited	Ontario 85% Dusty Gravel content Honeoye 5% Gravel content Dusty Hilton 5% Depth to saturated zone Gravel content Dusty Cazenovia 3% Depth to saturated zone Dusty

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Map symbol	Map unit name	Rating	Component name and % composition Rating reasons
112C	Ontario fine sandy loam, 8 to 15 percent slopes	Somewhat limited	Ontario 85% Slope Dusty Gravel content Honeoye 5% Slope Gravel content Dusty Hilton 5% Depth to saturated zone Slope Gravel content Dusty Cazenovia 3% Depth to saturated zone Slope Dusty
112D	Ontario fine sandy loam, 15 to 25 percent slopes	Very limited	Ontario 85% Slope Dusty Gravel content Cazenovia 5% Slope Depth to saturated zone Dusty Honeoye 5% Slope Gravel content Dusty Appleton 2% Depth to saturated zone Slope Dusty Gravel content
112E	Ontario fine sandy loam, 25 to 35 percent slopes	Very limited	Ontario 85% Slope Dusty Gravel content Cazenovia 5% Slope Depth to saturated zone Dusty Honeoye 5% Slope Gravel content Dusty Appleton 2% Depth to saturated zone Slope Dusty Gravel content

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Map symbol	Map unit name	Rating	Component name and % composition Rating reasons
114B	Ontario gravelly loam, 3 to 8 percent slopes	Somewhat limited	Ontario 85% Gravel content Dusty Hilton 5% Depth to saturated zone Dusty Gravel content Honeoye 5% Gravel content Dusty Cazenovia 3% Depth to saturated zone Dusty
114C	Ontario gravelly loam, 8 to 15 percent slopes	Somewhat limited	Ontario 85% Slope Gravel content Dusty Hilton 5% Depth to saturated zone Slope Dusty Gravel content Honeoye 5% Slope Gravel content Dusty Cazenovia 3% Depth to saturated zone Slope Dusty
114D	Ontario gravelly loam, 15 to 25 percent slopes	Very limited	Ontario 85% Slope Gravel content Dusty Honeoye 5% Slope Gravel content Dusty Appleton 2% Depth to saturated zone Slope Dusty Gravel content
116B	Ontario loam, 3 to 8 percent slopes	Somewhat limited	Ontario 85% Dusty Gravel content Honeoye 5% Gravel content Dusty Hilton 5% Depth to saturated zone Dusty Gravel content Cazenovia 3% Depth to saturated zone Dusty

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Map symbol	Map unit name	Rating	Component name and % composition Rating reasons
116C	Ontario loam, 8 to 15 percent slopes	Somewhat limited	Ontario 85% Slope Dusty Gravel content Honeoye 5% Slope Gravel content Dusty Hilton 5% Depth to saturated zone Slope Dusty Gravel content Cazenovia 3% Depth to saturated zone Slope Dusty
116D	Ontario loam, 15 to 25 percent slopes	Very limited	Ontario 85% Slope Dusty Gravel content Cazenovia 5% Slope Depth to saturated zone Dusty Honeoye 5% Slope Gravel content Dusty Appleton 2% Depth to saturated zone Slope Dusty Gravel content
118F	Ontario, Honeoye, and Lansing soils, 35 to 55 percent slopes	Very limited	Ontario 40% Slope Dusty Gravel content Honeoye 35% Slope Gravel content Dusty Lansing 20% Slope Gravel content Dusty Aurora 5% Slope Depth to bedrock Depth to saturated zone Dusty

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Map symbol	Map unit name	Rating	Component name and % composition Rating reasons
120E	Palmyra and Howard soils, 25 to 45 percent slopes	Very limited	Palmyra 55% Slope Seepage Too sandy Gravel content Dusty Howard 40% Slope Seepage Too sandy Gravel content Dusty Colonie 5% Slope Seepage Too sandy
122A	Palmyra cobbly loam, 0 to 3 percent slopes	Very limited	Palmyra 95% Seepage Gravel content Too sandy Dusty
122B	Palmyra cobbly loam, 3 to 8 percent slopes	Very limited	Palmyra 95% Seepage Gravel content Too sandy Dusty
124A	Palmyra fine sandy loam, 0 to 3 percent slopes	Very limited	Palmyra 90% Seepage Too sandy Dusty Gravel content Howard 10% Seepage Too sandy Gravel content Dusty
124B	Palmyra fine sandy loam, 3 to 8 percent slopes	Very limited	Palmyra 90% Seepage Too sandy Dusty Gravel content Howard 10% Seepage Too sandy Gravel content Dusty
126A	Palmyra gravelly loam, 0 to 3 percent slopes	Very limited	Palmyra 95% Seepage Too sandy Gravel content Dusty Arkport 5% Seepage Too sandy

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Map symbol	Map unit name	Rating	Component name and % composition Rating reasons
126B	Palmyra gravelly loam, 3 to 8 percent slopes	Very limited	Palmyra 95% Seepage Too sandy Gravel content Dusty Arkport 5% Seepage Too sandy
126C	Palmyra gravelly loam, 8 to 15 percent slopes	Very limited	Palmyra 90% Seepage Too sandy Gravel content Slope Dusty Arkport 10% Seepage Slope Too sandy
126D	Palmyra gravelly loam, 15 to 25 percent slopes	Very limited	Palmyra 90% Slope Seepage Too sandy Gravel content Dusty Arkport 10% Slope Seepage Too sandy
128A	Palmyra gravelly sandy loam, 0 to 3 percent slopes	Very limited	Palmyra 90% Seepage Too sandy Gravel content Dusty Arkport 10% Seepage Too sandy
128B	Palmyra gravelly sandy loam, 3 to 8 percent slopes	Very limited	Palmyra 90% Seepage Too sandy Gravel content Dusty Arkport 10% Seepage Too sandy
128C	Palmyra gravelly sandy loam, 8 to 15 percent slopes	Very limited	Palmyra 90% Seepage Too sandy Gravel content Slope Dusty Arkport 10% Seepage Slope Too sandy

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Map symbol	Map unit name	Rating	Component name and % composition Rating reasons
130A	Farmington loam, 0 to 3 percent slopes	Very limited	Farmington 90% Depth to bedrock Dusty Galoo 5% Depth to bedrock Dusty Nuhi 5% Depth to saturated zone Depth to bedrock Dusty
130B	Farmington loam, 3 to 8 percent slopes	Very limited	Farmington 90% Depth to bedrock Dusty Galoo 5% Depth to bedrock Dusty Nuhi 5% Depth to saturated zone Depth to bedrock Dusty
132A	Galoo loam, 0 to 3 percent slopes, rocky	Very limited	Galoo 95% Depth to bedrock Dusty Nuhi 4% Depth to saturated zone Depth to bedrock Dusty
132B	Galoo loam, 3 to 8 percent slopes, rocky	Very limited	Galoo 95% Depth to bedrock Dusty Nuhi 4% Depth to saturated zone Depth to bedrock Dusty
134A	Camillus silt loam, 0 to 3 percent slopes	Very limited	Camillus 95% Depth to bedrock Dusty Angola 5% Depth to saturated zone Depth to bedrock Too clayey Dusty
134B	Camillus silt loam, 3 to 8 percent slopes	Very limited	Camillus 95% Depth to bedrock Dusty Angola 5% Depth to saturated zone Depth to bedrock Too clayey Dusty

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Map symbol	Map unit name	Rating	Component name and % composition Rating reasons
151C	Willdin-Norchip complex, 3 to 15 percent slopes	Very limited	Willdin 60% Depth to saturated zone Dusty Norchip 38% Depth to saturated zone Dusty Palms, undrained 2% Ponding Depth to saturated zone Organic matter content Seepage Dusty
152B	Valois gravelly loam, 3 to 8 percent slopes	Very limited	Valois 85% Seepage Gravel content Dusty Volusia 5% Depth to saturated zone Dusty
152C	Valois gravelly loam, 8 to 15 percent slopes	Very limited	Valois 85% Seepage Gravel content Slope Dusty Volusia 5% Depth to saturated zone Dusty
152D	Valois gravelly loam, 15 to 25 percent slopes	Very limited	Valois 85% Slope Seepage Gravel content Dusty Cadosia 6% Slope Gravel content Dusty Mardin 6% Slope Depth to saturated zone Dusty Volusia 3% Depth to saturated zone Slope Dusty

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Map symbol	Map unit name	Rating	Component name and % composition Rating reasons
152E	Valois gravelly loam, 25 to 35 percent slopes	Very limited	Valois 85% Slope Seepage Gravel content Dusty Cadosia 6% Slope Gravel content Dusty Mardin 6% Slope Depth to saturated zone Dusty Towerville, extremely stony 3% Slope Depth to bedrock Depth to saturated zone Gravel content Large stones
153B	Valois gravelly loam, cool, 3 to 8 percent slopes	Somewhat limited	Valois, cool 85% Gravel content Dusty Rockrift 5% Gravel content Large stones Dusty Willdin 5% Depth to saturated zone Gravel content Dusty
153C	Valois gravelly loam, cool, 8 to 15 percent slopes	Somewhat limited	Valois, cool 85% Slope Gravel content Dusty Rockrift 5% Slope Gravel content Large stones Dusty Willdin 5% Depth to saturated zone Slope Gravel content Dusty

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Map symbol	Map unit name	Rating	Component name and % composition Rating reasons
153D	Valois gravelly loam, cool, 15 to 25 percent slopes	Very limited	Valois, cool 85% Slope Gravel content Dusty Rockriff 6% Slope Gravel content Large stones Dusty Willdin 6% Slope Depth to saturated zone Gravel content Dusty Ontusia 3% Depth to saturated zone Slope Dusty
153E	Valois gravelly loam, cool, 25 to 35 percent slopes	Very limited	Valois, cool 85% Slope Gravel content Dusty Rockriff 6% Slope Gravel content Large stones Dusty Willdin 6% Slope Depth to saturated zone Gravel content Dusty Ischua 3% Slope Depth to bedrock Depth to saturated zone Dusty
162B	Willdin channery silt loam, 3 to 8 percent slopes	Very limited	Willdin 85% Depth to saturated zone Dusty Middlebrook 5% Depth to saturated zone Depth to bedrock Gravel content Dusty Ontusia 5% Depth to saturated zone Dusty

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Map symbol	Map unit name	Rating	Component name and % composition Rating reasons
162C	Willdin channery silt loam, 8 to 15 percent slopes	Very limited	Willdin 85% Depth to saturated zone Slope Dusty Ontusia 6% Depth to saturated zone Dusty Lewbath 6% Slope Depth to saturated zone Dusty Middlebrook 3% Depth to saturated zone Depth to bedrock Slope Gravel content Dusty
162D	Willdin channery silt loam, 15 to 25 percent slopes	Very limited	Willdin 80% Slope Depth to saturated zone Dusty Lewbath 10% Slope Depth to saturated zone Dusty Mongaup 5% Slope Depth to bedrock Large stones Gravel content Dusty Ontusia 5% Depth to saturated zone Slope Dusty
168A	Ontusia channery silt loam, 0 to 3 percent slopes	Very limited	Ontusia 88% Depth to saturated zone Dusty Willdin 5% Depth to saturated zone Dusty Norchip 5% Depth to saturated zone Dusty Gretor 2% Depth to saturated zone Depth to bedrock Dusty
168B	Ontusia channery silt loam, 3 to 8 percent slopes	Very limited	Ontusia 90% Depth to saturated zone Dusty Norchip 5% Depth to saturated zone Dusty Willdin 5% Depth to saturated zone Slope Dusty

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Map symbol	Map unit name	Rating	Component name and % composition Rating reasons
168C	Ontusia channery silt loam, 8 to 15 percent slopes	Very limited	Ontusia 90% Depth to saturated zone Slope Dusty Norchip 5% Depth to saturated zone Dusty Willdin 5% Slope Depth to saturated zone Dusty
168D	Ontusia channery silt loam, 15 to 25 percent slopes	Very limited	Ontusia 90% Slope Depth to saturated zone Dusty Willdin 7% Slope Depth to saturated zone Dusty Norchip 3% Depth to saturated zone Dusty
171C	Lordstown-Manlius-Towerville complex, 8 to 15 percent slopes, very stony	Very limited	Lordstown, very stony 40% Depth to bedrock Slope Dusty Towerville, very stony 20% Depth to bedrock Depth to saturated zone Slope Gravel content Large stones Manlius, very stony 20% Depth to bedrock Seepage Gravel content Slope Large stones Mardin, very stony 5% Depth to saturated zone Slope Dusty Arnot, very stony 5% Depth to bedrock Slope Large stones Dusty

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Map symbol	Map unit name	Rating	Component name and % composition Rating reasons
171D	Lordstown-Manlius-Towerville complex, 15 to 25 percent slopes, very stony	Very limited	Lordstown, very stony 40% Slope Depth to bedrock Dusty Manlius, very stony 20% Slope Depth to bedrock Seepage Gravel content Large stones Towerville, very stony 20% Slope Depth to bedrock Depth to saturated zone Gravel content Large stones Cadosia, very stony 10% Slope Large stones Dusty Arnot, very stony 5% Slope Depth to bedrock Large stones Dusty Mardin 5% Depth to saturated zone Slope Dusty
171E	Lordstown-Manlius-Towerville complex, 25 to 35 percent slopes, extremely stony	Very limited	Lordstown, extremely stony 40% Slope Depth to bedrock Dusty Towerville, extremely stony 20% Slope Depth to bedrock Depth to saturated zone Gravel content Large stones Manlius, extremely stony 20% Slope Depth to bedrock Seepage Gravel content Large stones Cadosia, extremely stony 10% Slope Large stones Dusty Arnot, very stony 5% Slope Depth to bedrock Large stones Dusty Mardin, extremely stony 5% Slope Depth to saturated zone Dusty

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Map symbol	Map unit name	Rating	Component name and % composition Rating reasons
171F	Lordstown-Manlius-Towerville complex, 35 to 80 percent slopes, extremely stony	Very limited	Lordstown, extremely stony 40% Slope Depth to bedrock Dusty Towerville, extremely stony 20% Slope Depth to bedrock Depth to saturated zone Gravel content Large stones Manlius, extremely stony 20% Slope Depth to bedrock Seepage Gravel content Large stones Arnot, extremely stony 10% Slope Depth to bedrock Large stones Dusty Cadosia, extremely stony 10% Slope Large stones Dusty
177A	Norchip silt loam, 0 to 3 percent slopes	Very limited	Norchip 85% Depth to saturated zone Dusty Norchip, very poorly drained 10% Ponding Depth to saturated zone Dusty Ontusia 5% Depth to saturated zone Dusty
177B	Norchip silt loam, 3 to 8 percent slopes	Very limited	Norchip 85% Depth to saturated zone Dusty Norchip, very poorly drained 10% Ponding Depth to saturated zone Dusty Ontusia 5% Depth to saturated zone Slope Dusty
181B	Mongaup-Ischua complex, 3 to 8 percent slopes	Very limited	Mongaup 45% Depth to bedrock Dusty Ischua 40% Depth to bedrock Depth to saturated zone Dusty Greter 2% Depth to saturated zone Depth to bedrock Dusty

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Map symbol	Map unit name	Rating	Component name and % composition Rating reasons
181C	Mongaup-Ischua complex, 8 to 15 percent slopes	Very limited	Mongaup 45% Depth to bedrock Slope Dusty Ischua 40% Depth to bedrock Depth to saturated zone Slope Dusty Greter 2% Depth to saturated zone Depth to bedrock Slope Dusty
181D	Mongaup-Ischua complex, 15 to 25 percent slopes, very stony	Very limited	Mongaup, very stony 45% Slope Depth to bedrock Dusty Ischua, very stony 40% Slope Depth to bedrock Depth to saturated zone Dusty Rockrift 10% Slope Gravel content Large stones Dusty Willdin 3% Slope Depth to saturated zone Gravel content Dusty Greter 2% Slope Depth to saturated zone Depth to bedrock Dusty

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Map symbol	Map unit name	Rating	Component name and % composition Rating reasons
181E	Mongaup-Ischua complex, 25 to 35 percent slopes, extremely stony	Very limited	Mongaup, extremely stony 45% Slope Depth to bedrock Dusty Ischua, extremely stony 40% Slope Depth to bedrock Depth to saturated zone Dusty Rockrift 10% Slope Gravel content Large stones Dusty Willdin 3% Slope Depth to saturated zone Gravel content Dusty Greter 2% Slope Depth to saturated zone Depth to bedrock Dusty
182B	Mongaup channery loam, 3 to 8 percent slopes	Very limited	Mongaup 75% Depth to bedrock Dusty Ischua 5% Depth to bedrock Depth to saturated zone Dusty Greter 2% Depth to saturated zone Depth to bedrock Dusty
182C	Mongaup channery loam, 8 to 15 percent slopes	Very limited	Mongaup 75% Depth to bedrock Slope Dusty Ischua 5% Depth to bedrock Depth to saturated zone Slope Dusty Greter 2% Depth to saturated zone Depth to bedrock Slope Dusty
201A	Lima loam, 0 to 3 percent slopes	Somewhat limited	Lima 85% Depth to saturated zone Gravel content Dusty Honeoye 5% Gravel content Dusty Cazenovia 2% Depth to saturated zone Dusty

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Map symbol	Map unit name	Rating	Component name and % composition Rating reasons
201B	Lima loam, 3 to 8 percent slopes	Somewhat limited	Lima 85% Depth to saturated zone Gravel content Dusty Honeoye 6% Gravel content Dusty Cazenovia 2% Depth to saturated zone Dusty
201C	Lima loam, 8 to 15 percent slopes	Somewhat limited	Lima 85% Depth to saturated zone Slope Gravel content Dusty Honeoye 7% Slope Gravel content Dusty Cazenovia 2% Depth to saturated zone Slope Dusty
204A	Lima loam, 0 to 3 percent slopes, lower clay surface	Somewhat limited	Lima 85% Depth to saturated zone Gravel content Dusty Honeoye 5% Gravel content Dusty Cazenovia 2% Depth to saturated zone Dusty
204B	Lima loam, 3 to 8 percent slopes, lower clay surface	Somewhat limited	Lima 85% Depth to saturated zone Gravel content Dusty Honeoye 6% Gravel content Dusty Cazenovia 2% Depth to saturated zone Dusty
210A	Phelps gravelly silt loam, 0 to 3 percent slopes	Very limited	Phelps 85% Seepage Depth to saturated zone Too sandy Gravel content Dusty Homer 5% Depth to saturated zone Seepage Too sandy Gravel content Dusty

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Map symbol	Map unit name	Rating	Component name and % composition Rating reasons
210B	Phelps gravelly silt loam, 3 to 8 percent slopes	Very limited	Phelps 85% Seepage Depth to saturated zone Too sandy Gravel content Dusty Homer 5% Depth to saturated zone Seepage Too sandy Gravel content Dusty
212A	Nuhi silt loam, 0 to 3 percent slopes	Very limited	Nuhi 85% Depth to saturated zone Depth to bedrock Dusty Farmington 10% Depth to bedrock Dusty Nuhi, poorly drained 5% Depth to saturated zone Depth to bedrock Dusty
240B	Aurora-Angola silt loams, 3 to 8 percent slopes	Very limited	Aurora 60% Depth to bedrock Depth to saturated zone Dusty Angola 30% Depth to saturated zone Depth to bedrock Too clayey Dusty Darien 5% Depth to saturated zone Too clayey Dusty
240C	Aurora-Angola silt loams, 8 to 15 percent slopes	Very limited	Aurora 60% Depth to bedrock Depth to saturated zone Slope Dusty Angola 30% Depth to saturated zone Depth to bedrock Slope Too clayey Dusty Darien 5% Depth to saturated zone Slope Too clayey Dusty

Daily Cover for Landfill

Aggregation Method: Dominant Condition
Tie-break Rule: Higher

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Survey Area Version and Date: 23 - 09/05/2023

Map symbol	Map unit name	Rating	Component name and % composition Rating reasons
240D	Aurora-Angola silt loams, 15 to 25 percent slopes	Very limited	Aurora 60% Slope Depth to bedrock Depth to saturated zone Dusty Angola 30% Slope Depth to saturated zone Depth to bedrock Too clayey Dusty Darien 5% Slope Depth to saturated zone Too clayey Dusty Danley 5% Slope Depth to saturated zone Dusty Too clayey
241B	Aurora silt loam, 3 to 8 percent slopes	Very limited	Aurora 85% Depth to bedrock Depth to saturated zone Dusty Angola 10% Depth to saturated zone Depth to bedrock Too clayey Dusty
241C	Aurora silt loam, 8 to 15 percent slopes	Very limited	Aurora 85% Depth to bedrock Depth to saturated zone Slope Dusty Angola 8% Depth to saturated zone Depth to bedrock Slope Too clayey Dusty
241D	Aurora silt loam, 15 to 25 percent slopes	Very limited	Aurora 85% Slope Depth to bedrock Depth to saturated zone Dusty Danley 10% Slope Depth to saturated zone Dusty Too clayey Angola 5% Slope Depth to saturated zone Depth to bedrock Too clayey Dusty

Daily Cover for Landfill

Aggregation Method: Dominant Condition
Tie-break Rule: Higher

Ontario County, New York
Survey Area Version and Date: 23 - 09/05/2023

Map symbol	Map unit name	Rating	Component name and % composition Rating reasons
255B	Cazenovia silt loam, 3 to 8 percent slopes	Somewhat limited	Cazenovia 85% Depth to saturated zone Too clayey Dusty Cayuga 5% Depth to saturated zone Too clayey Dusty
255C	Cazenovia silt loam, 8 to 15 percent slopes	Somewhat limited	Cazenovia 85% Depth to saturated zone Slope Too clayey Dusty Cayuga 8% Depth to saturated zone Slope Too clayey Dusty
255D	Cazenovia silt loam, 15 to 25 percent slopes	Very limited	Cazenovia 85% Slope Depth to saturated zone Too clayey Dusty Cayuga 10% Slope Depth to saturated zone Too clayey Dusty Ovid 5% Depth to saturated zone Slope Dusty Too clayey
260B	Cayuga silt loam, 3 to 8 percent slopes	Somewhat limited	Cayuga 85% Depth to saturated zone Too clayey Dusty
260C	Cayuga silt loam, 8 to 15 percent slopes	Somewhat limited	Cayuga 85% Depth to saturated zone Too clayey Slope Dusty
260D	Cayuga silt loam, 15 to 25 percent slopes	Very limited	Cayuga 85% Slope Depth to saturated zone Too clayey Dusty Lansing 10% Slope Gravel content Dusty Schoharie 5% Slope Hard to compact Too clayey Depth to saturated zone Dusty

Daily Cover for Landfill

Aggregation Method: Dominant Condition
Tie-break Rule: Higher

Ontario County, New York
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Map symbol	Map unit name	Rating	Component name and % composition Rating reasons
304A	Kendaia loam, 0 to 3 percent slopes	Very limited	Kendaia 85% Depth to saturated zone Gravel content Dusty Lyons 5% Depth to saturated zone Gravel content Dusty Ovid 2% Depth to saturated zone Dusty Too clayey Churchville 2% Depth to saturated zone Dusty Too clayey
304B	Kendaia loam, 3 to 8 percent slopes	Very limited	Kendaia 85% Depth to saturated zone Gravel content Dusty Lyons 4% Depth to saturated zone Gravel content Dusty Churchville 2% Depth to saturated zone Dusty Too clayey Ovid 2% Depth to saturated zone Dusty Too clayey
342A	Angola silt loam, 0 to 3 percent slopes	Very limited	Angola 90% Depth to saturated zone Depth to bedrock Too clayey Dusty Darrien 5% Depth to saturated zone Too clayey Dusty Ilion 5% Depth to saturated zone Dusty Too clayey
356A	Ovid silt loam, 0 to 3 percent slopes	Very limited	Ovid 85% Depth to saturated zone Dusty Too clayey Odessa 10% Depth to saturated zone Too clayey Dusty Lakemont 5% Depth to saturated zone Too clayey Dusty

Daily Cover for Landfill

Aggregation Method: Dominant Condition
Tie-break Rule: Higher

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Map symbol	Map unit name	Rating	Component name and % composition Rating reasons
356B	Ovid silt loam, 3 to 8 percent slopes	Very limited	Ovid 85% Depth to saturated zone Dusty Too clayey Odessa 10% Depth to saturated zone Hard to compact Too clayey Dusty Lakemont 5% Depth to saturated zone Too clayey Dusty
357B	Ovid silty clay loam, 3 to 8 percent slopes	Very limited	Ovid 85% Depth to saturated zone Too clayey Dusty Odessa 10% Depth to saturated zone Hard to compact Too clayey Dusty Lakemont 5% Depth to saturated zone Too clayey Dusty
357C	Ovid silty clay loam, 8 to 15 percent slopes	Very limited	Ovid 85% Depth to saturated zone Too clayey Slope Dusty Odessa 10% Depth to saturated zone Hard to compact Too clayey Dusty Lakemont 5% Depth to saturated zone Too clayey Dusty
400A	Udorthents, loamy, 0 to 3 percent slopes	Very limited	Udorthents, loamy 80% Gravel content Seepage Dusty Howard 5% Seepage Too sandy Gravel content Dusty Palmyra 5% Seepage Too sandy Dusty Gravel content

Daily Cover for Landfill

Aggregation Method: Dominant Condition
Tie-break Rule: Higher

Ontario County, New York
Survey Area Version and Date: 23 - 09/05/2023

Map symbol	Map unit name	Rating	Component name and % composition Rating reasons
401D	Udorthents, refuse substratum. 0 to 25 percent slopes	Very limited	Udorthents, refuse substratum 90% Slope Dusty Udorthents, Loamy 10% Gravel content Slope Seepage Dusty
PG	Pits, gravel and sand	Not rated	Pits, gravel and sand 75%
PQ	Pits, quarry	Not rated	Pits, quarry 80%
W	Water	Not rated	Water 100%

Daily Cover for Landfill

Rating Options

Attribute Name: Daily Cover for Landfill

ENG - Engineering

Daily cover for landfill is the soil material that is used to cover compacted solid waste in a sanitary landfill. The soil material is obtained offsite, transported to the landfill, and spread over the waste. The ratings also apply to the final cover for a landfill. They are based on the soil properties that affect workability, the ease of digging, and the ease of moving and spreading the material over the refuse daily during wet and dry periods. These properties include soil texture, depth to a water table, ponding, rock fragments, slope, depth to bedrock or a cemented pan, reaction, and content of salts, sodium, or lime.

Loamy or silty soils that are free of large stones and excess gravel are the best cover for a landfill. Clayey soils may be sticky and difficult to spread; sandy soils are subject to wind erosion.

Slope affects the ease of excavation and of moving the cover material. Also, it can influence runoff, erosion, and reclamation of the borrow area.

The soil material used as the final cover for a landfill should be suitable for plants. It should not have excess sodium, salts, or lime and should not be too acid. After soil material has been removed, the soil material remaining in the borrow area must be thick enough over bedrock, a cemented pan, or the water table to permit revegetation. Some damage to the borrow area is expected, however, and plant growth may not be optimum.

This information is intended for land use planning, for evaluating land use alternatives, and for planning site investigations prior to design and construction. The information, however, has limitations. For example, estimates and other data generally apply only to that part of the soil between the surface and a depth of 5 to 7 feet. Because of the map scale, small areas of different soils may be included within the mapped areas of a specific soil.

The information is not site specific and does not eliminate the need for onsite investigation of the soils or for testing and analysis by personnel experienced in the design and construction of engineering works.

Government ordinances and regulations that restrict certain land uses or impose specific design criteria were not considered in preparing the ratings. Local ordinances and regulations should be considered in planning, in site selection, and in design.

The ratings are both verbal and numerical. Rating class terms indicate the extent to which the soils are limited by all of the soil features that affect these uses. "Not limited" indicates that the soil has features that are very favorable for the specified use. Good performance and very low maintenance can be expected. "Somewhat limited" indicates that the soil has features that are moderately favorable for the specified use. The limitations can be overcome or minimized by special planning, design, or installation. Fair performance and moderate maintenance can be expected. "Very limited" indicates that the soil has one or more features that are unfavorable for the specified use. The limitations generally cannot be overcome without major soil reclamation, special design, or expensive installation procedures. Poor performance and high maintenance can be expected.

Numerical ratings in the table indicate the severity of individual limitations. The ratings are shown as decimal fractions ranging from 0.01 to 1.00. They indicate gradations between the point at which a soil feature has the greatest negative impact on the use (1.00) and the point at which the soil feature is not a limitation (0.00).

The map unit components listed for each map unit in the accompanying Summary by Map Unit table in Web Soil Survey or the Aggregation Report in Soil Data Viewer are determined by the aggregation method chosen. An aggregated rating class is shown for each map unit. The components listed for each map unit are only those that have the same rating class as listed for the map unit. The percent composition of each component in a particular map unit is presented to help the user better understand the percentage of each map unit that has the rating presented.

Other components with different ratings may be present in each map unit. The ratings for all components, regardless of the map unit aggregated rating, can be viewed by generating the equivalent report from the Soil Reports tab in Web Soil Survey or from the Soil Data Mart site. Onsite investigation may be needed to validate these interpretations and to confirm the identity of the soil on a given site.

Aggregation Method: Dominant Condition

Aggregation is the process by which a set of component attribute values is reduced to a single value to represent the map unit as a whole.

A map unit is typically composed of one or more "components". A component is either some type of soil or some nonsoil entity, e.g., rock outcrop. The components in the map unit name represent the major soils within a map unit delineation. Minor components make up the balance of the map unit. Great differences in soil properties can occur between map unit components and within short distances. Minor components may be very different from the major components. Such differences could significantly affect use and management of the map unit. Minor components may or may not be documented in the database. The results of aggregation do not reflect the presence or absence of limitations of the components which are not listed in the database. An on-site investigation is required to identify the location of individual map unit components.

For each of a map unit's components, a corresponding percent composition is recorded. A percent composition of 60 indicates that the corresponding component typically makes up approximately 60% of the map unit. Percent composition is a critical factor in

Daily Cover for Landfill

some, but not all, aggregation methods.

For the attribute being aggregated, the first step of the aggregation process is to derive one attribute value for each of a map unit's components. From this set of component attributes, the next step of the aggregation process derives a single value that represents the map unit as a whole. Once a single value for each map unit is derived, a thematic map for soil map units can be generated. Aggregation must be done because, on any soil map, map units are delineated but components are not.

The aggregation method "Dominant Condition" first groups like attribute values for the components in a map unit. For each group, percent composition is set to the sum of the percent composition of all components participating in that group. These groups now represent "conditions" rather than components. The attribute value associated with the group with the highest cumulative percent composition is returned. If more than one group shares the highest cumulative percent composition, the corresponding "tie-break" rule determines which value should be returned. The "tie-break" rule indicates whether the lower or higher group value should be returned in the case of a percent composition tie. The result returned by this aggregation method represents the dominant condition throughout the map unit only when no tie has occurred.

Tie-break Rule: Higher

The tie-break rule indicates which value should be selected from a set of multiple candidate values, or which value should be selected in the event of a percent composition tie.